

You looked for the following: (JP2000216800)<AP>

1 matching documents were found.

To see further result lists select a number from the JumpBar above.

Click on any of the Patent Numbers below to see the details of the patent

Basket

0

**Patent**

**Title**

**Number**



JP2002033635

90-DEGREE PHASE SHIFTER AND IMAGE ELIMINATING MIXER  
AND RECEIVER USING THE SAME

To refine your search, click on the icon in the menu bar

Data supplied from the [esp@cenet](#) database - I2

## 90-DEGREE PHASE SHIFTER AND IMAGE ELIMINATING MIXER AND RECEIVER USING THE SAME

Patent Number: JP2002033635  
Publication date: 2002-01-31  
Inventor(s): AMANO SHINJI  
Applicant(s): SHARP CORP  
Requested Patent: ☐ JP2002033635  
Application Number: JP20000216800 20000718  
Priority Number(s):  
IPC Classification: H03H7/18; H03D7/18; H04B1/26  
EC Classification:  
Equivalents:

### Abstract

**PROBLEM TO BE SOLVED:** To solve a problem of a conventional 90-degree phase shifter that cannot have met needs of acquisition of a phase difference around 90-degrees over a wide frequency range because the frequency range of an input signal to obtain an output signal with a phase difference around 90-degrees is not always enough in the conventional 90-degree phase shifter.

**SOLUTION:** In the 90-degree phase shifter 10 where two output signals whose phase difference is nearly 90-degrees from a 1st multi-stage phase shift circuit 14 consisting of series connection of phase shift circuits 14-1 to 14-n and a 2nd multi-stage phase shift circuit 15 consisting of series connection of phase shift circuits 15-1 to 15-n, each phase characteristic of the 1st and 2nd multi-stage phase shift circuits 14, 15 has a difference and each phase characteristic of each of the phase shift circuits 14-1 to 14-n and the phase shift circuits 15-1 to 15-n has a difference respectively.

Data supplied from the esp@cenet database - I2